

## SEQUENCE LISTING

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<110> O'DOWD, BRIAN F.  
GEORGE, SUSAN R.

<120> METHOD OF IDENTIFYING TRANSMEMBRANE PROTEIN-INTERACTING COMPOUNDS

<130> 3477-110

<140> PCT/CA03/00542

<141> 2003-04-11

<150> US 60/371,704

<151> 2002-04-12

<150> US 60/442,556

<151> 2003-01-27

<150> US 60/422,891

<151> 2002-11-01

<150> US 60/387,570

<151> 2002-06-12

<150> US 60/379,419

<151> 2002-05-13

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<170> PatentIn version 3.1

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Thr Leu Leu

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Leu

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Glu Leu Leu

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Glu Leu Leu

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Leu Pro Gly Ser Phe Arg Glu Lys  
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Leu Pro Gly Ser Phe Arg Glu Lys  
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Leu Pro Gly Ser Phe Arg Glu Lys  
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Leu Pro Gly Ser Phe Arg Glu Lys  
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Phe Leu Leu Trp Lys Asn Trp Arg Leu Lys Asn Ile Asn Ser Ile Asn.  
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Phe Asp Asn Pro  
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Arg Leu Ile Ile Thr Pro Gly Thr Phe Lys Glu Arg Ile Ile Lys Ser  
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Ile Thr

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Arg Leu Ile Ile Thr Pro Lys Lys Phe Lys Arg Arg Ile Ile Lys Ser  
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Ile Thr

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Val Val Thr Ala Ala Thr  
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Val Val Thr Ala Ala Thr  
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gactgcagcc tgggtggtacc gcagagcaag ccacatagct gggg 44

<210> 107  
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<220>  
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gctgctctcc cacaaaaagt ttaagcggca gaagatctgg 40

<210> 108  
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<220>  
<223> Primer

<400> 108  
ccagatcttc tgccgcttaa actttttgtg ggagagcagc 40

<210> 109  
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<220>  
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<220>  
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<222> (14)..(14)  
<223> Xaa equals Orn

<400> 109

Thr Val Leu Ala Leu Leu Ser His Arg Arg Ala Leu Lys Xaa Lys Ile  
1 5 10 15

Trp Pro Gly Ile Pro  
20

<210> 110  
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<220>

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<220>

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<222> (14)..(14)

<223> Xaa equals Orn

<400> 110

Thr Val Leu Ala Leu Leu Ser His Lys Lys Phe Lys Arg Xaa Lys Ile  
1 5 10 15

Trp Pro Gly Ile Pro  
20

<210> 111

<211> 40

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 111

gctcttcggg ctcgagcagc gatgcgaccc tccgggacgg

40

<210> 112

<211> 39

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 112

ctatcctccg tggtagcgct gctccaataa attcactgc

39

<210> 113

<211> 37

<212> DNA

<213> Artificial sequence

<220>

<223> Primer

<400> 113

cacatcggtc ggaagaagtt taagcggagg ctgctgc

37

<210> 114

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<220>  
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<400> 114  
cctgcagcag cctccgctta aacttcttcc gaacgatgtg

40

<210> 115  
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<212> PRT  
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<220>  
<223> Peptide

<400> 115

Arg	Arg	Arg	His	Ile	Val	Arg	Lys	Arg	Thr	Leu	Arg	Arg	Leu	Leu	Gln
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Glu Arg Glu

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<220>  
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<400> 116

Arg	Arg	Arg	His	Ile	Val	Arg	Lys	Lys	Phe	Lys	Arg	Arg	Leu	Leu	Gln
1				5					10				15		

Glu Arg Glu

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49

<210> 118  
<211> 45  
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<220>  
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gtgtggcagg attcatctgg gtaccgcggt tgggtgctga ccgtt

45

<210> 119  
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<212> DNA  
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<220>  
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<400> 119  
cctctgagga cctgaaaaag aagagaaagg ctggcatcgc c

41

<210> 120  
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<212> DNA  
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<220>  
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41

<210> 121  
<211> 33  
<212> PRT  
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<220>  
<223> Peptide

<400> 121

Asn Pro Ile Ile Tyr Ala Phe Asn Ala Asp Phe Arg Lys Ala Phe Ser  
1 5 10 15

Thr Leu Leu Ser Ser Glu Asp Leu Lys Lys Glu Glu Ala Ala Gly Ile  
20 25 30

Ala

<210> 122

<211> 33  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Peptide

<400> 122

Asn Pro Ile Ile Tyr Ala Phe Asn Ala Lys Lys Phe Lys Arg Phe Ser  
1 5 10 15

Thr Leu Leu Ser Ser Glu Asp Leu Lys Lys Lys Arg Lys Ala Gly Ile  
20 25 30

Ala

<210> 123  
<211> 45  
<212> DNA  
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<220>  
<223> Primer

<400> 123  
cctagtccgc agcaggccga attcgccacc atggacagca gcacc

45

<210> 124  
<211> 44  
<212> DNA  
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<220>  
<223> Primer

<400> 124  
gatggtgtga gaccggtacc gcgggcaatg gagcagtttc tgcc

44

<210> 125  
<211> 45  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Primer

<400> 125  
cctagtccgc agcaggccga attcgccacc atggacagca gcacc

45

<210> 126  
<211> 45

<212> DNA  
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<220>  
<223> Primer

<400> 126  
ggatggtgtg agaccggtac cgcgggcaat ggagcagttt ctgcc

45

<210> 127  
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<212> DNA  
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<220>  
<223> Primer

<400> 127  
gccttccttg ataaaaaatt caagcgatgc

30

<210> 128  
<211> 31  
<212> DNA  
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<220>  
<223> Primer

<400> 128  
gcacgccttg aattttttat ccaggaaggc g

31

<210> 129  
<211> 7  
<212> PRT  
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<220>  
<223> Peptide

<400> 129

Pro Lys Lys Lys Arg Lys Val  
1 5

<210> 130  
<211> 8  
<212> PRT  
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<220>  
<223> Peptide

<220>  
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 <222> (4)..(14)  
 <223> Xaa equals a sequence of any 11 any amino acids  
 <400> 130

Arg Arg Arg Xaa Lys Arg Arg Lys  
 1 5

<210> 131  
 <211> 7  
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<220>  
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<220>  
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 <222> (3)..(17)  
 <223> Xaa equals a sequence of any 15 amino acids  
 <400> 131

Lys Lys Xaa Lys Lys Arg Lys  
 1 5

<210> 132  
 <211> 6  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> Peptide

<400> 132

Lys Arg Lys Arg Arg Pro  
 1 5

<210> 133  
 <211> 9  
 <212> PRT  
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<220>  
 <223> Peptide

<400> 133



Pro Lys Lys Asn Arg Leu Arg Arg Lys  
1 5

<210> 134  
<211> 10  
<212> PRT  
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<220>  
<223> Peptide

<220>  
<221> MISC\_FEATURE

<222> (5)..(24)  
<223> Xaa equals a sequence of any 20 amino acids

<400> 134

Lys Arg Gln Arg Xaa Lys Lys Ser Lys Lys  
1 5 10

<210> 135  
<211> 9  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Peptide

<400> 135

Pro Ala Ala Lys Arg Val Lys Leu Asp  
1 5

<210> 136  
<211> 6  
<212> PRT  
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<220>  
<223> Peptide

<400> 136

Gln Arg Lys Arg Gln Lys  
1 5

<210> 137  
<211> 17  
<212> PRT  
<213> Artificial sequence

<220>

<223> Peptide

<400> 137

His Arg Ile Glu Glu Lys Arg Lys Arg Thr Tyr Glu Thr Phe Lys Ser  
1 5 10 15

Ile

<210> 138

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<223> Peptide

<400> 138

Lys Lys Lys Tyr Lys Leu Lys  
1 5

<210> 139

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<223> Peptide

<400> 139

Lys Ser Lys Lys Lys Ala Gln  
1 5

<210> 140

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> Peptide

<400> 140

Lys Lys Lys Lys Arg Lys Arg Glu Lys  
1 5

<210> 141

<211> 9

<212> PRT  
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<220>  
<223> Peptide

<400> 141

Leu Lys Arg Pro Arg Ser Pro Ser Ser  
1 5

<210> 142  
<211> 13  
<212> PRT  
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<220>  
<223> Peptide

<220>  
<221> MISC\_FEATURE

<222> (4)..(25)  
<223> Xaa equals a sequence of any 22 amino acids

<400> 142

Lys Arg Lys Xaa Lys Glu Leu Gln Lys Gln Ile Thr Lys  
1 5 10

<210> 143  
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<212> PRT  
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<220>  
<223> Peptide

<400> 143

Gly Lys Lys Lys Tyr Lys Leu Lys His  
1 5

<210> 144  
<211> 7  
<212> PRT  
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<220>  
<223> Peptide

<400> 144

Lys Lys Lys Tyr Lys Leu Lys  
1 5

<210> 145  
<211> 7  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Peptide

<400> 145

Lys Ser Lys Lys Lys Ala Gln  
1 5

<210> 146  
<211> 12  
<212> PRT  
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<220>  
<223> Peptide

<220>  
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<222> (4)..(353)  
<223> Xaa equals a sequence of any 350 amino acids

<400> 146

Glu Glu Asp Xaa Lys Lys Lys Arg Glu Arg Leu Asp  
1 5 10

<210> 147  
<211> 25  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Peptide

<400> 147

Cys Tyr Phe Gln Lys Lys Ala Ala Asn Met Leu Gln Gln Ser Gly Ser  
1 5 10 15

Lys Asn Thr Gly Ala Lys Lys Arg Lys  
20 25

<210> 148

<211> 12  
<212> PRT  
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<220>  
<223> Peptide

<220>  
<221> MISC\_FEATURE

<222> (6)..(328)  
<223> Xaa equals a sequence of any 323 amino acids

<400> 148

Asp Ile Leu Arg Arg Xaa Pro Lys Gln Lys Arg Lys  
1 5 10

<210> 149  
<211> 22  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Peptide

<400> 149

Ser Ser Asp Asp Glu Ala Thr Ala Asp Ser Gln His Ser Thr Pro Pro  
1 5 10 15

Lys Lys Lys Arg Lys Val  
20

<210> 150  
<211> 12  
<212> PRT  
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<220>  
<223> Peptide

<220>  
<221> MISC\_FEATURE

<222> (6)..(14)  
<223> Xaa equals a sequence of any 9 amino acids

<400> 150

Arg Lys Lys Arg Lys Xaa Lys Ala Lys Lys Ser Lys  
1 5 10

<210> 151  
<211> 7  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Peptide

<220>  
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<222> (3)..(13)  
<223> Xaa equals a sequence of any 11 amino acids

<400> 151

Lys Arg Xaa Lys Lys Leu Arg  
1 5

<210> 152  
<211> 11  
<212> PRT  
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<220>  
<223> Peptide

<220>  
<221> MISC\_FEATURE

<222> (5)..(27)  
<223> Xaa equals a sequence of any 22 amino acids

<220>  
<221> MISC\_FEATURE

<222> (5)..(26)  
<223> Xaa equals any amino acid

<400> 152

Arg Arg Pro Ser Xaa Arg Arg Lys Arg Gln Lys  
1 5 10

<210> 153  
<211> 8  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Peptide

<220>  
 <221> MISC\_FEATURE  
 <222> (4)..(14)  
 <223> Xaa equals a sequence of any 11 amino acids

<400> 153

Arg Arg Arg Xaa Lys Arg Arg Lys  
 1 5

<210> 154  
 <211> 7  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> Peptide

<220>  
 <221> MISC\_FEATURE  
 <222> (3)..(12)  
 <223> Xaa equals a sequence of any 10 amino acids

<400> 154

Lys Arg Xaa Lys Lys Lys Leu  
 1 5

<210> 155  
 <211> 12  
 <212> PRT  
 <213> Artificial sequence

<220>  
 <223> Peptide

<220>  
 <221> MISC\_FEATURE  
 <222> (5)..(11)  
 <223> Xaa equals a sequence of any 7 amino acids

<400> 155

Arg Lys Arg Lys Xaa Arg Arg Ser Arg Tyr Arg Lys  
 1 5 10

<210> 156  
 <211> 9

<212> PRT  
<213> Artificial sequence

<220>  
<223> Peptide

<400> 156

Met Ile Ser Glu Ala Leu Arg Lys Ala  
1 5

<210> 157  
<211> 5  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Peptide

<400> 157

Lys Lys Phe Lys Arg  
1 5

<210> 158  
<211> 9  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Peptide

<400> 158

Ala Phe Ser Ala Lys Lys Phe Lys Arg  
1 5